

**ANNEX 2 OF THE LIST OF DUAL-USE GOODS AND TECHNOLOGIES**

Note     *This Annex is a sub-set of the Items contained in Annex 1.*

N.B.     *Where abbreviated entries are used, see List of Dual-Use Goods and Technologies for full details. Text that differs from that in the List of Dual-Use Goods and Technologies is shaded.*

Category 1

- 1.A.2.a.     "Composite" structures or laminates having an organic "matrix" and made from materials listed under 1.C.10.c. or 1.C.10.d.
- 1.C.1.     Materials specially designed for use as absorbers of electromagnetic waves...
- 1.C.12.     Materials for nuclear heat sources...
- 1.E.1.     "Technology" according to the General Technology Note for the "development" or "production" of equipment and materials in 1.A.2 or 1.C. of this Annex.

Category 2

None

Category 3

None

Category 4

- 4.A.3.b.     "Digital computers" having a "composite theoretical performance" ("CTP") exceeding 10,000 Mtops.
- 4.A.3.c.     "Electronic assemblies" specially designed or modified for enhancing performance by aggregation of "computing elements" ("CEs") so that the "CTP" of the aggregation exceeds the limit in 4.A.3.b in this Annex.
- Note 1     4.A.3.c. applies only to "electronic assemblies" and programmable interconnections not exceeding the limit in 4.A.3.b. in this Annex when shipped as unintegrated "electronic assemblies".
- Note 2     4.A.3.c. does not control "electronic assemblies" specially designed for a product or family of products whose maximum configuration does not exceed the limit of 4.A.3.b. in this Annex.
- 4.D.1.     "Software" specially designed for the "development" or "production" of equipment in 4.A. of this Annex.

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4.E.1. "Technology" according to the General Technology Note for the "development" or "production" of equipment or "software" in 4.A. or 4.D. of this Annex.

### Category 5 - Part 1

5.A.1.b.4. Digitally controlled radio receivers...

5.D.1.a. "Software" specially designed for the "development" or "production" of equipment, functions or features in Category 5, Part 1 of this Annex.

5:E.1.a. "Technology" according to the General Technology Note for the "development" or "production" of equipment, functions, features or "software" in Category 5, Part 1 of this Annex.

### Category 5 - Part 2

None

### Category 6

6.A.1.a.2.a.1., 2. & 7. Hydrophones...Incorporating...  
6.A.1.a.2.b. Towed acoustic hydrophone arrays...

6.A.1.a.2.c. Processing equipment, specially designed for real time application with towed acoustic hydrophone arrays, having "user accessible programmability" and time or frequency domain processing and correlation, including spectral analysis, digital filtering and beamforming using Fast Fourier or other transforms or processes;

6.A.1.a.2.e. Bottom or bay cable systems having any of the following:  
1. Incorporating hydrophones...  
2. Incorporating multiplexed hydrophone group signals ...; or

6.A.1.a.2.f. Processing equipment, specially designed for real time application with bottom or bay cable systems, having "user accessible programmability" and time or frequency domain processing and correlation, including spectral analysis, digital filtering and beamforming using Fast Fourier or other transforms or processes;

6.A.2.a.1.c. "Space-qualified" solid-state detectors...

6.A.8.1.3. Radar systems...Having data processing... Processing for...

6.B.8. Pulse radar cross-section...

6.D.1. "Software" specially designed for the "development" or "production" of equipment in 6.A.8., or 6.B.8. of this Annex.

6.D.3.a. "Software", as follows:...

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6.E.1. "Technology" according to the General Technology Note for the "development" of equipment or "software" in 6.A., 6.B., or 6.D. of this Annex.

6.E.2. "Technology" according to the General Technology Note for the "production" of equipment in 6.A. or 6.B. of this Annex.

### Category 7

7.D.3.a. "Software" specially designed or modified to...

7.D.3.b. "Source code" for...

### Category 8

8.A.1.b. Manned, untethered submersible vehicles...

8.A.1.d. Unmanned, untethered submersible vehicles...

8.A.2.o.3.b. Active noise reduction or cancellation systems...

8.D.1. "Software" specially designed for the "development" or "production" of equipment in 8.A. of this Annex.

8.E.1. "Technology" according to the General Technology Note for the "development" or "production" of equipment in 8.A. of this Annex.

### Category 9

9.A.11. Ramjet, scramjet or combined cycle engines...

9.D.1. "Software" specially designed or modified for the "development" of equipment or "technology" in 9.A. or 9.E.3. of this Annex.

9.D.2. "Software" specially designed or modified for the "production" of equipment in 9.A. of this Annex.

9.E.1. "Technology" according to the General Technology Note for the "development" of equipment or "software" in 9.A.11. or 9.D. of this Annex.

9.E.2. "Technology" according to the General Technology Note for the "production" of equipment in 9.A.11. of this Annex.

9.E.3.a.1. Other "technology"...Gas turbine blades...

9.E.3.a.3. "Technology" "required" for ...

Components manufactured from organic "composite" materials designed to operate above 588 K (315°C), or from metal "matrix" "composite", ceramic "matrix", intermetallic or intermetallic reinforced materials in 1.A.2.a. of this Annex.